

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: February 4, 2003, 10:33:53 ; Search time 11 Seconds

(Without alignments)
151.154 Million cell updates/sec

Title: US-09-537-859c-2_COPY_25_99

Sequence: 1 PDSVSIPTCCFVYINRKP.....ERWVRDSMKLDDQIFQNLKP 75

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 129505 seqs, 22169297 residues

To: Number of hits satisfying chosen parameters: 68497

Minimum DB seq length: 0
Maximum DB seq length: 75

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Published Applications_AA*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	392	97.3	74	10 US-09-195-457-6	Sequence 6, Appl1
2	263	65.3	74	9 US-09-792-793A-13	Sequence 13, Appl1
3	263	65.3	74	9 US-10-125-451-20	Sequence 20, Appl1
4	226.5	56.2	75	9 US-09-792-793A-23	Sequence 23, Appl1
5	215	53.3	73	10 US-09-195-457-2	Sequence 2, Appl1
6	213.5	53.0	67	10 US-09-195-457-7	Sequence 1, Appl1
7	209	51.9	73	10 US-09-195-457-1	Sequence 17, Appl1
8	188	46.7	70	10 US-09-195-457-8	Sequence 17, Appl1
9	174.5	43.3	70	10 US-10-125-451-17	Sequence 17, Appl1
10	148	36.7	70	12 US-10-107-371-1	Sequence 1, Appl1
11	145.5	36.1	66	12 US-10-153-064-87	Sequence 8, Appl1
12	138.5	34.4	69	10 US-09-195-457-9	Sequence 9, Appl1
13	138.5	34.4	70	9 US-09-792-793A-24	Sequence 24, Appl1
14	134.5	33.4	68	10 US-09-195-457-10	Sequence 10, Appl1
15	134.5	33.4	69	9 US-09-792-793A-30	Sequence 30, Appl1
16	131.5	32.6	71	10 US-09-144-838-3	Sequence 3, Appl1
17	127.5	31.6	67	10 US-09-144-838-38	Sequence 38, Appl1
18	127.5	31.6	73	10 US-09-144-838-6	Sequence 6, Appl1
19	120.5	29.9	60	9 US-09-888-938-5	Sequence 5, Appl1

20	120.5	29.9	68	9 US-09-792-793A-29	Sequence 29, Appl1
21	120.5	29.9	68	10 US-09-144-838-10	Sequence 10, Appl1
22	120.5	29.9	68	10 US-09-144-838-42	Sequence 42, Appl1
23	120.5	29.9	68	10 US-09-195-457-11	Sequence 11, Appl1
24	119.5	29.7	66	10 US-09-144-838-37	Sequence 37, Appl1
25	119.5	29.7	69	9 US-09-792-793A-28	Sequence 28, Appl1
26	118.5	29.4	72	10 US-09-334-923A-58	Sequence 58, Appl1
27	118.5	29.4	72	10 US-09-334-954A-58	Sequence 58, Appl1
28	118.5	29.4	73	10 US-09-334-923A-26	Sequence 26, Appl1
29	118.5	29.4	73	10 US-09-334-923A-57	Sequence 57, Appl1
30	118.5	29.4	73	10 US-09-334-954A-26	Sequence 57, Appl1
31	118.5	29.4	73	10 US-09-334-954A-57	Sequence 57, Appl1
32	118.5	29.4	75	10 US-09-778-852-4	Sequence 4, Appl1
33	118.5	29.4	75	10 US-09-334-923A-55	Sequence 55, Appl1
34	118.5	29.4	75	10 US-09-334-923A-55	Sequence 55, Appl1
35	117	29.0	68	10 US-09-144-838-34	Sequence 34, Appl1
36	116.5	28.9	70	10 US-09-334-923A-65	Sequence 65, Appl1
37	116.5	28.9	70	10 US-09-334-954A-65	Sequence 65, Appl1
38	114.5	28.4	72	10 US-09-144-838-5	Sequence 5, Appl1
39	114	28.3	73	9 US-09-792-793A-17	Sequence 17, Appl1
40	113.5	28.2	71	9 US-09-792-793A-33	Sequence 33, Appl1
41	112.5	27.9	67	10 US-09-144-838-41	Sequence 41, Appl1
42	112	27.8	69	10 US-09-144-838-46	Sequence 46, Appl1
43	110.5	27.4	74	10 US-09-144-838-4	Sequence 4, Appl1
44	109	27.0	34	10 US-09-864-761-38961	Sequence 38961, A
45	109	27.0	67	10 US-09-144-838-33	Sequence 33, Appl1

ALIGNMENTS

RESULT 1
US-09-195-457-6
Sequence 6, Application US/09195457
Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILTIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: CRIFRITS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 6
LENGTH: 74
TYPE: PRT
ORGANISM: human
US-09-195-457-6

Query Match 97.3%; Score 392; DB 10; Length 74;
Best Local Similarity 98.6%; Pred. No. 7.2e-39;
Matches 73; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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DB 1 PDSVSIPTCCFVYINRKP...ERWVRDSMKLDDQIFQNLKP 60
QY 62 SMKLLDDQIFQNLKP 75
DB 61 SMKLLDDQIFQNLKP 74

RESULT 2

US-09-792-793A-13
; Sequence 13, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: MCDONALD, John R.
; APPLICANT: COGGINS, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 74
; TYPE: PRT
; ORGANISM: homo sapien
; FEATURE:
; OTHER INFORMATION: Human Chemokine Polypeptide: Eotaxin
US-09-792-793A-13

Query Match 65.3%; Score 263; DB 9; Length 74;
Best Local Similarity 64.8%; Pred. No. 6.5e-24;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

QY 5 SIPITCCFNVINRKIPLOLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 64
DB 4 SVPTCCFNLANKIPLOLESYTRITSGKCPQKAVIFKTLADICADPKKVVQDSMK 63

QY 65 HLDQIFQNLKP 75
DB 64 YLDQKSPTRKP 74

RESULT 3
US-10-125-451-20

; Sequence 20, Application US/10125451
; Publication No. US20030022314A1
; GENERAL INFORMATION:
; APPLICANT: OLSEN et al.
; TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
; FILE REFERENCE: P5504D1
; CURRENT APPLICATION NUMBER: US/10/125,451
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/479,729
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: 09/261,201
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: 60/115,439
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: 08/613,822
; PRIOR FILING DATE: 1996-02-23
; PRIOR APPLICATION NUMBER: 08/462,967
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: 08/458,355
; PRIOR FILING DATE: 1995-06-02
; PRIOR APPLICATION NUMBER: PCT/US94/09484
; PRIOR FILING DATE: 1994-08-23
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-125-451-20

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Best Local Similarity 64.8%; Pred. No. 6.5e-24;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

QY 5 SIPITCCFNVINRKIPLOLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 64
DB 4 SVPTCCFNLANKIPLOLESYTRITSGKCPQKAVIFKTLADICADPKKVVQDSMK 63

QY 65 HLDQIFQNLKP 75
DB 64 YLDQKSPTRKP 74

RESULT 4
US-09-792-793A-23

; Sequence 23, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: MCDONALD, John R.
; APPLICANT: COGGINS, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 75
; TYPE: PRT
; ORGANISM: homo sapien
; FEATURE:
; OTHER INFORMATION: Human Chemokine Polypeptide: MCP-4
US-09-792-793A-23

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QY 61 DSMKHLDQIFQNLKP 74
DB 61 NYMKHLGRKATLK 74

RESULT 5
US-09-195-457-2

; Sequence 2, Application US/09195457
; Patent No. US20020081623A1
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; FILE REFERENCE: 550-33
; CURRENT APPLICATION NUMBER: US/09/195,457
; CURRENT FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/470,323
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/GB94/02006
; PRIOR FILING DATE: 1994-09-14
; PRIOR APPLICATION NUMBER: GB 9318984.3
; PRIOR FILING DATE: 1993-09-14
; PRIOR APPLICATION NUMBER: GB 94086902.2
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 2
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Cavia cobaya
US-09-195-457-2

Query Match 53.3%; Score 215; DB 10; Length 73;
Best Local Similarity 52.9%; Pred. No. 2.3e-18;
Matches 37; Conservative 15; Mismatches 18; Indels 0; Gaps 0;

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OM protein - protein search, using sw model

Run on: February 4, 2003, 10:30:37 ; Search time 15 Seconds
(without alignments)
147.115 Million cell updates/sec

Title: US-09-537-859c-2_COPY_25_99
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	392	97.3	74	3	US-08-470-323-6
3	263	65.3	74	4	US-08-613-822-20
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5	263	65.3	74	4	US-09-366-887A-25
6	239	59.3	68	4	US-09-463-458A-30
7	239	59.3	69	4	US-09-463-458A-31
8	239	59.3	69	4	US-09-463-458A-32
9	236	58.6	68	4	US-09-463-458A-9
10	236	58.6	68	4	US-09-463-458A-26
11	236	58.6	68	4	US-09-463-458A-29
12	223.5	55.5	73	4	US-09-366-887A-24
13	223	55.3	70	4	US-08-615-232A-7
14	215	53.3	70	4	US-09-366-887A-23
15	215	53.3	73	2	US-08-615-232A-2
16	215	53.3	73	3	US-08-470-323-2
17	213.5	53.0	67	1	US-08-127-499A-38
18	213.5	53.0	67	1	US-08-482-847-38
19	213.5	53.0	67	3	US-08-470-323-7
20	209	51.9	73	2	US-08-615-232A-1
21	209	51.9	73	3	US-08-470-323-1
22	205	50.9	63	3	US-07-927-391-2
23	201	49.9	61	3	US-07-927-391-3
24	190	47.1	71	2	US-08-615-232A-8
25	188	46.7	71	3	US-08-470-323-8
26	174.5	43.3	70	4	US-08-613-822-17
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29	148.5	36.8	70	1	US-07-745-382-16	Sequence 16, Appl
30	148.5	36.8	70	1	US-07-921-848-16	Sequence 16, Appl
31	148.5	36.8	70	1	US-08-165-301A-16	Sequence 16, Appl
32	148.5	36.8	70	4	US-08-810-436-16	Sequence 16, Appl
33	148.5	36.8	70	5	PCT-US94-14179-16	Sequence 16, Appl
34	144	35.7	37	4	US-09-366-887A-20	Sequence 20, Appl
35	144	35.7	62	3	US-08-995-156A-85	Sequence 85, Appl
36	144	35.7	62	4	US-09-419-281-85	Sequence 86, Appl
37	144	35.7	63	3	US-08-995-156A-86	Sequence 86, Appl
38	144	35.7	63	4	US-09-419-281-86	Sequence 87, Appl
39	144	35.7	64	4	US-08-995-156A-87	Sequence 87, Appl
40	144	35.7	64	4	US-09-419-281-87	Sequence 87, Appl
41	144	35.7	65	3	US-08-995-156A-88	Sequence 88, Appl
42	144	35.7	65	4	US-09-419-281-88	Sequence 88, Appl
43	144	35.7	66	3	US-08-995-156A-89	Sequence 89, Appl
44	144	35.7	66	4	US-09-419-281-89	Sequence 89, Appl
45	144	35.7	67	3	US-08-995-156A-90	Sequence 90, Appl

ALIGNMENTS

RESULT 1
US-08-615-232A-6
; Sequence 6, Application US/08615232A
; Patent No. 5993814
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; TITLE OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHVE P. C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/615,232A
; FILING DATE: 13-AUG-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9318984
; FILING DATE: 14-SEP-1993
; APPLICATION NUMBER: GB 9408602
; FILING DATE: 29-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 550-32
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-615-232A-6
Query Match 97.3%; Score 392; DB 2; Length 74;
Best Local Similarity 98.6%; Pred. No. 4,9e-45;

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: February 4, 2003, 10:30:17 ; Search time 11 Seconds

(without alignments)
149.139 Million cell updates/sec

Title: US-09-537-859c-2_COPY_26_99

Sequence: 1 DSVSIPITCCFNVNKRKIP...ERWRDSMKHLDFONLKP 74

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 129505 seqe, 22169297 residues

To: number of hits satisfying chosen parameters: 68197

Minimum DB seq length: 0

Maximum DB seq length: 74

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
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2: /cgn2_6/ptodata/1/pubpaa/ECT_NEW_PUB.rep.*
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4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.rep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	392	99.0	74	10	US-09-195-457-6
2	263	66.4	74	9	US-09-792-793A-13
3	263	66.4	74	9	US-10-125-451-20
4	215	54.3	73	10	US-09-195-457-2
5	213.5	53.9	67	10	US-09-195-457-7
6	209	52.8	73	10	US-09-195-457-1
7	188	47.5	71	10	US-09-195-457-8
8	174.5	44.1	70	9	US-10-125-451-17
9	148	37.4	70	12	US-10-107-371-1
10	145.5	35.7	66	12	US-10-153-064-87
11	138.5	35.0	70	9	US-09-195-457-9
12	138.5	35.0	70	9	US-09-792-793A-24
13	134.5	34.0	68	10	US-09-195-457-10
14	134.5	34.0	69	9	US-09-792-793A-30
15	131.5	33.2	71	10	US-09-144-838-3
16	127.5	32.2	67	10	US-09-144-838-38
17	127.5	32.2	73	10	US-09-144-838-6
18	120.5	30.4	60	9	US-09-888-938-5
19	120.5	30.4	68	9	US-09-792-793A-29

20	120.5	30.4	68	10	US-09-144-838-10	Sequence 10, Appl
21	120.5	30.4	68	10	US-09-144-838-42	Sequence 42, Appl
22	120.5	30.4	68	10	US-09-195-457-11	Sequence 11, Appl
23	119.5	30.2	66	10	US-09-144-838-37	Sequence 37, Appl
24	119.5	30.2	69	9	US-09-792-793A-28	Sequence 28, Appl
25	118.5	29.9	72	10	US-09-334-923A-58	Sequence 58, Appl
26	118.5	29.9	72	10	US-09-334-954A-58	Sequence 58, Appl
27	118.5	29.9	73	10	US-09-334-923A-26	Sequence 26, Appl
28	118.5	29.9	73	10	US-09-334-954A-57	Sequence 57, Appl
29	118.5	29.9	73	10	US-09-334-954A-26	Sequence 26, Appl
30	118.5	29.9	73	10	US-09-334-954A-57	Sequence 57, Appl
31	117	29.5	68	10	US-09-144-838-34	Sequence 34, Appl
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35	114	28.8	73	9	US-09-792-793A-17	Sequence 17, Appl
36	113.5	28.7	71	9	US-09-792-793A-33	Sequence 33, Appl
37	112.5	28.4	67	10	US-09-144-838-41	Sequence 41, Appl
38	112	28.3	69	10	US-09-144-838-46	Sequence 46, Appl
39	110.5	27.9	74	10	US-09-144-838-4	Sequence 4, Appl
40	109	27.5	34	10	US-09-864-761-38961	Sequence 38961, A
41	109	27.5	67	10	US-09-144-838-33	Sequence 33, Appl
42	104	26.3	68	10	US-09-144-838-45	Sequence 45, Appl
43	101.5	25.6	67	10	US-09-144-838-36	Sequence 36, Appl
44	99.5	25.1	37	10	US-09-864-761-39501	Sequence 39501, A
45	99.5	25.1	67	10	US-09-144-838-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-09-195-457-6
Sequence 6, Application US/09195457
Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OR INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 6
LENGTH: 74
TYPE: PRT
ORGANISM: human
US-09-195-457-6

Query Match 99.0%; Score 392; DB 10; Length 74;
Best Local Similarity 98.6%; Pred. No. 5.3e-39;
Matches 73; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 61 SMKHLDFONLKP 74
Db 61 SMKHLDFONLKP 74

RESULT 2

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US-09-792-793A-13
; Sequence 13, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792.793A
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 74
; TYPE: PRT
; ORGANISM: homo sapien
; FEATURE:
; OTHER INFORMATION: Human Chemokine Polypeptide: Eotaxin
US-09-792-793A-13
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Best Local Similarity 64.8%; Pred. No. 5.3e-24;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

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; Sequence 20, Application US/10125451
; Publication No. US2003022314A1
; GENERAL INFORMATION:
; APPLICANT: Olsen et al.
; TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
; FILE REFERENCE: PF504D1
; CURRENT APPLICATION NUMBER: US/10/125.451
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/479,729
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: 09/261,201
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: 60/115,439
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: 08/613,822
; PRIOR FILING DATE: 1996-02-23
; PRIOR APPLICATION NUMBER: 08/462,967
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: 08/458,355
; PRIOR FILING DATE: 1995-06-02
; PRIOR APPLICATION NUMBER: PCT/US94/09484
; PRIOR FILING DATE: 1994-08-23
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
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; ORGANISM: Homo sapiens
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Best Local Similarity 64.8%; Pred. No. 5.3e-24;
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DB 4 SVPTCCGNNVNRKIPLORLSYRITNIQCCKEAVIFKTQKGVCAADPKRWVDSMK 63
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QY 64 HLDQIFQNLKP 74
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RESULT 4
US-09-195-457-2
; Sequence 2, Application US/09195457
; Patent No. US20020081623A1
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; FILE REFERENCE: 550-33
; CURRENT APPLICATION NUMBER: US/09/195.457
; CURRENT FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/470,323
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/GB94/02006
; PRIOR FILING DATE: 1994-09-14
; PRIOR APPLICATION NUMBER: GB 9318984.3
; PRIOR FILING DATE: 1993-09-14
; PRIOR APPLICATION NUMBER: GB 94086902.2
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 2
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Cavia cobaya
US-09-195-457-2
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Best Local Similarity 52.9%; Pred. No. 2e-18;
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QY 65 LDDQIFQNLKP 74
DB 64 LDDISQTRKP 73

RESULT 5
US-09-195-457-7
; Sequence 7, Application US/09195457
; Patent No. US20020081623A1
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; FILE REFERENCE: 550-33
; CURRENT APPLICATION NUMBER: US/09/195.457
; CURRENT FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/470,323
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/GB94/02006
; PRIOR FILING DATE: 1994-09-14
; PRIOR APPLICATION NUMBER: GB 9318984.3
; PRIOR FILING DATE: 1993-09-14
; PRIOR APPLICATION NUMBER: GB 94086902.2
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 7
; LENGTH: 67
; TYPE: PRT
; ORGANISM: human
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GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 4, 2003, 10:27:02 ; Search time 14 Seconds

(without alignments)
155.521 Million cell updates/sec

Title: US-09-537-859C-2_COPY_26_99

Sequence: 1 DSVSIPITCCFNVINKIPF.....ERWRDSMKHDIQFONLKP 74

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Searched: 262574 seqs, 29422922 residues

To: number of hits satisfying chosen parameters: 190174

Minimum DB seq length: 0

Maximum DB seq length: 74

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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6: /cgn2_6/ptodata/1/1aa/backfiles.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	263	66.4	74	4	US-09-479-729B-20
5	263	66.4	74	4	US-09-366-887A-25
6	239	60.4	68	4	US-09-463-458A-30
7	239	60.4	69	4	US-09-463-458A-31
8	239	60.4	69	4	US-09-463-458A-32
9	236	59.6	68	4	US-09-463-458A-9
10	236	59.6	68	4	US-09-463-458A-26
11	236	59.6	68	4	US-09-463-458A-29
12	223.5	56.4	73	4	US-09-366-887A-24
13	223	56.3	70	2	US-08-615-232A-7
14	215	54.3	70	2	US-09-366-887A-23
15	215	54.3	73	3	US-08-615-232A-2
16	215	54.3	73	3	US-08-470-323-2
17	213.5	53.9	67	1	US-08-127-499A-38
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19	213.5	53.9	67	2	US-08-470-323-7
20	209	52.8	73	3	US-08-615-232A-1
21	209	52.8	73	3	US-08-470-323-1
22	201	50.8	63	3	US-07-927-391-3
23	201	50.8	63	3	US-07-927-391-2
24	190	48.0	71	2	US-08-615-232A-8
25	188	47.5	71	3	US-08-470-323-8
26	174.5	44.1	70	4	US-08-613-822-17
27	174.5	44.1	70	4	US-09-479-729B-17

ALIGNMENTS

28	163	41.2	45	3	US-07-927-391-4	Sequence 4, Appl
29	145.5	36.7	70	1	US-07-745-382-16	Sequence 16, Appl
30	145.5	36.7	70	1	US-07-921-848-16	Sequence 16, Appl
31	145.5	36.7	70	1	US-08-165-301A-16	Sequence 16, Appl
32	145.5	36.7	70	4	US-08-810-436-16	Sequence 16, Appl
33	145.5	36.7	70	5	PCR-US94-14179-16	Sequence 16, Appl
34	144	36.4	37	4	US-09-366-887A-20	Sequence 20, Appl
35	144	36.4	62	3	US-08-995-156A-85	Sequence 85, Appl
36	144	36.4	62	4	US-09-419-281-85	Sequence 85, Appl
37	144	36.4	63	3	US-08-995-156A-86	Sequence 86, Appl
38	144	36.4	64	3	US-09-419-281-86	Sequence 86, Appl
39	144	36.4	64	4	US-08-995-156A-87	Sequence 87, Appl
40	144	36.4	64	4	US-09-419-281-87	Sequence 87, Appl
41	144	36.4	65	3	US-08-995-156A-88	Sequence 88, Appl
42	144	36.4	65	4	US-09-419-281-88	Sequence 88, Appl
43	144	36.4	66	3	US-08-995-156A-89	Sequence 89, Appl
44	144	36.4	66	4	US-09-419-281-89	Sequence 89, Appl
45	144	36.4	67	3	US-08-995-156A-90	Sequence 90, Appl

RESULT 1
US-08-615-232A-6
Sequence 6, Application US/08615232A
Patent No. 5993814
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESS: NIXON & VANDERHUYE P.C.
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,232A
FILING DATE: 13-AUG-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9318984
FILING DATE: 14-SEP-1993
APPLICATION NUMBER: GB 9408602
FILING DATE: 29-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 550-32
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-615-232A-6
Query Match 99.0%; Score 392; DB 2; Length 74;
Best Local Similarity 98.6%; Pred. No. 4.8e-45;

Matches 73; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 61 SMKHLDOI FQNLKP 74
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 DB 61 SMKHLDOI FQNLKP 74

RESULT 2
 US-08-470-323-6
 ; Sequence 6, Application US/08470323A
 ; Patent No. 6031080
 ; GENERAL INFORMATION:
 ; APPLICANT: WILLIAMS, TIMOTHY J.
 ; APPLICANT: JOSE, PETER J.
 ; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
 ; APPLICANT: HSUAN, JOHN J.
 ; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
 ; FILE REFERENCE: 550-33
 ; CURRENT APPLICATION NUMBER: US/08/470,323A
 ; CURRENT FILING DATE: 1995-06-06
 ; EARLIER APPLICATION NUMBER: PCT/GB94/02006
 ; EARLIER FILING DATE: 1994-09-14
 ; EARLIER APPLICATION NUMBER: GB 9318984.3
 ; EARLIER FILING DATE: 1993-09-14
 ; EARLIER APPLICATION NUMBER: GB 94086902.2
 ; EARLIER FILING DATE: 1994-04-29
 ; NUMBER OF SEQ ID NOS: 11
 ; SEQ ID NO 6
 ; LENGTH: 74
 ; TYPE: PRT
 ; ORGANISM: human
 ; US-08-470-323-6

US-08-470-323-6

Query Match 99.0%; Score 392; DB 3; Length 74;
 Best Local Similarity 98.6%; Pred. No. 4.8e-45;
 Matches 73; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 61 SMKHLDOI FQNLKP 74
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 DB 61 SMKHLDOI FQNLKP 74

RESULT 3
 US-08-613-822-20
 ; Sequence 20, Application US/08613822
 ; Patent No. 6174995
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Haodong
 ; TITLE OF INVENTION: Human Chemokine Polypeptides
 ; NUMBER OF SEQUENCES: 20
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Avenue
 ; CITY: Rockville
 ; STATE: MD
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA: US/08/613,822
 ; APPLICATION NUMBER: US/08/613,822
 ; FILING DATE: 23-FEB-1996

US-08-613-822-20
 ; Sequence 20, Application US/08613822
 ; Patent No. 6174995
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Haodong
 ; TITLE OF INVENTION: Human Chemokine Polypeptides
 ; NUMBER OF SEQUENCES: 20
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Avenue
 ; CITY: Rockville
 ; STATE: MD
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA: US/08/613,822
 ; APPLICATION NUMBER: US/08/613,822
 ; FILING DATE: 23-FEB-1996

CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Milsteln, Larry S
 ; REGISTRATION NUMBER: 34,679
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 301-309-8504
 ; TELEFAX: 301-309-8512
 ; INFORMATION FOR SEQ ID NO: 20:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 74 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-613-822-20

Query Match 66.4%; Score 263; DB 4; Length 74;
 Best Local Similarity 64.8%; Pred. No. 7.3e-28;
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QY 64 HLDQIFQNLKP 74
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 DB 64 YLDQKSPTRKP 74

RESULT 4
 US-09-479-729B-20
 ; Sequence 20, Application US/09479729B
 ; Patent No. 6391589
 ; GENERAL INFORMATION:
 ; APPLICANT: Olsen, et al
 ; TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
 ; FILE REFERENCE: P5504
 ; CURRENT APPLICATION NUMBER: US/09/479,729B
 ; CURRENT FILING DATE: 2000-01-07
 ; PRIOR APPLICATION NUMBER: PCT/US94/09484
 ; PRIOR FILING DATE: 1994-08-23
 ; PRIOR APPLICATION NUMBER: 08/458,355
 ; PRIOR FILING DATE: 1995-06-02
 ; PRIOR APPLICATION NUMBER: 08/462,967
 ; PRIOR FILING DATE: 1995-06-05
 ; PRIOR APPLICATION NUMBER: 60/115,439
 ; PRIOR FILING DATE: 1999-01-08
 ; NUMBER OF SEQ ID NOS: 30
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 ; ORGANISM: Homo sapiens
 ; US-09-479-729B-20

Query Match 66.4%; Score 263; DB 4; Length 74;
 Best Local Similarity 64.8%; Pred. No. 7.3e-28;
 Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

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 DB 4 SVPTCCFNVNIRKPIQRLSESYRITNIOCPKEAVIFKTQKGVCAADPKERWVRD 63

QY 64 HLDQIFQNLKP 74
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 DB 64 YLDQKSPTRKP 74

RESULT 5
 US-09-366-887A-25
 ; Sequence 25, Application US/09366887A
 ; Patent No. 6403782
 ; GENERAL INFORMATION:

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

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Run on: February 4, 2003, 10:26:37 ; Search time 11 Seconds

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Title: US-09-537-859c-2_COPY_27_99

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Minimum DB seq length: 0

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Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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5	174.5	44.7	70	9	US-10-125-451-17
6	148	37.9	70	12	US-10-107-371-1
7	145.5	37.3	66	12	US-10-153-064-87
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9	138.5	35.5	70	9	US-09-792-793A-24
10	134.5	34.5	68	10	US-09-195-457-10
11	134.5	34.5	69	9	US-09-792-793A-30
12	131.5	33.7	71	10	US-09-144-838-3
13	127.5	32.7	67	10	US-09-144-838-38
14	127.5	32.7	73	10	US-09-144-838-6
15	120.5	30.9	60	9	US-09-886-938-5
16	120.5	30.9	68	9	US-09-792-793A-29
17	120.5	30.9	68	10	US-09-144-838-10
18	120.5	30.9	68	10	US-09-144-838-42
19	120.5	30.9	68	10	US-09-195-457-11

20	119.5	30.6	66	10	US-09-144-838-37	Sequence 37, Appl
21	119.5	30.6	69	9	US-09-792-793A-28	Sequence 28, Appl
22	119.5	30.4	72	10	US-09-334-973A-58	Sequence 58, Appl
23	118.5	30.4	72	10	US-09-334-954A-58	Sequence 58, Appl
24	118.5	30.4	73	10	US-09-334-923A-57	Sequence 26, Appl
25	118.5	30.4	73	10	US-09-334-923A-56	Sequence 26, Appl
26	118.5	30.4	73	10	US-09-334-954A-26	Sequence 26, Appl
27	118.5	30.4	73	10	US-09-334-954A-57	Sequence 57, Appl
28	117	30.0	68	10	US-09-144-838-34	Sequence 34, Appl
29	116.5	29.9	70	10	US-09-334-923A-65	Sequence 34, Appl
30	116.5	29.9	70	10	US-09-334-954A-65	Sequence 65, Appl
31	114.5	29.2	72	10	US-09-144-838-5	Sequence 65, Appl
32	114	29.2	73	9	US-09-792-793A-17	Sequence 5, Appl
33	113.5	29.1	71	9	US-09-792-793A-33	Sequence 17, Appl
34	112.5	28.8	67	10	US-09-144-838-41	Sequence 33, Appl
35	111.5	28.6	69	10	US-09-144-838-46	Sequence 41, Appl
36	109	27.9	34	10	US-09-864-761-38961	Sequence 46, Appl
37	109	27.9	67	10	US-09-144-838-33	Sequence 38961, A
38	103.5	26.5	68	10	US-09-144-838-45	Sequence 33, Appl
39	101.5	26.0	67	10	US-09-144-838-36	Sequence 45, Appl
40	99.5	25.5	37	10	US-09-864-761-39501	Sequence 36, Appl
41	99.5	25.5	67	10	US-09-144-838-30	Sequence 39501, A
42	97.5	25.0	68	10	US-09-144-838-26	Sequence 30, Appl
43	96.5	24.7	64	9	US-09-796-692-1213	Sequence 26, Appl
44	95.5	24.5	69	10	US-09-144-838-54	Sequence 1213, Ap
45	94.5	24.2	68	10	US-09-144-838-40	Sequence 54, Appl
						Sequence 40, Appl

ALIGNMENTS

RESULT 1

US-09-195-457-2

Sequence 2, Application US/09195457

Patent No. US20020081623A1

GENERAL INFORMATION:

APPLICANT: WILLIAMS, TIMOTHY J.

APPLICANT: JOSE, PETER J.

APPLICANT: GRIFFITHS-JOHNSON, DAVID A.

APPLICANT: HSUAN, JOHN J.

TITLE OR INVENTION: CHEMOTACTIC CYTOKINE

FILE REFERENCE: 550-33

CURRENT APPLICATION NUMBER: US/09/195,457

CURRENT FILING DATE: 1998-11-18

PRIOR APPLICATION NUMBER: 08/470,323

PRIOR FILING DATE: 1995-06-06

PRIOR APPLICATION NUMBER: PCT/GB94/02006

PRIOR FILING DATE: 1994-09-14

PRIOR APPLICATION NUMBER: GB 9318984.3

PRIOR FILING DATE: 1993-09-14

PRIOR APPLICATION NUMBER: GB 94086902.2

PRIOR FILING DATE: 1994-04-29

NUMBER OF SEQ ID NOS: 11

SEQ ID NO 2

LENGTH: 73

TYPE: PRT

ORGANISM: Cavia cobaya

Query Match

Best Local Similarity 55.1%; Score 215; DB 10; Length 73;

Matches 37; Conservative 15; Mismatches 18; Indels 0; Gaps 0;

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64 IDQISQITKP 73

Db

RESULT 2

US-09-195-457-7
Sequence 7, Application US/09195457
Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
LENGTH: 67
ID NO 7
TYPE: PRT
ORGANISM: human
US-09-195-457-7

Query Match 54.7%; Score 213.5; DB 10; Length 67;
Best Local Similarity 60.6%; Pred. No. 1,7e-18;
Matches 40; Conservative 9; Mismatches 14; Indels 3; Gaps 1;

QY 7 TCCNNVNRKPIPIORLESYTRITNIQCPKEAVIFKTORGKVCADPKERVRDMSKHLDD 66
DB 4 TCCRFNFNKIPKQRLSRYRTTSHCPREAVIFK--DREICADPTQKXWVDPMKHLDD 60

QY 67 IFONLX 72
DB 61 KTQTPK 66

RESULT 3
US-09-195-457-1
Sequence 1, Application US/09195457
Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 1
LENGTH: 73
TYPE: PRT
ORGANISM: Cavia porcellus
FEATURE:
NAME/KEY: VARIANT
LOCATION: (54)-(55)
OTHER INFORMATION: Unknown or other
NAME/KEY: VARIANT
LOCATION: (70)
OTHER INFORMATION: Unknown or other

US-09-195-457-1

Query Match 53.6%; Score 209; DB 10; Length 73;
Best Local Similarity 52.9%; Pred. No. 6,3e-18;
Matches 37; Conservative 13; Mismatches 20; Indels 0; Gaps 0;

QY 4 IPITCCNNVNRKPIPIORLESYTRITNIQCPKEAVIFKTORGKVCADPKERVRDMSKHLDD 63
DB 4 IPSACFRVTNKKISFQRLSKYKITTSKCPQTAIVFIRPDKWICADPTQKXWVDPMKHLDD 63

QY 64 LDQIFONLKP 73
DB 64 LDQISQXTKP 73

RESULT 4
US-09-195-457-8
Sequence 8, Application US/09195457
Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 8
LENGTH: 71
TYPE: PRT
ORGANISM: guinea pig
US-09-195-457-8

Query Match 48.2%; Score 188; DB 10; Length 71;
Best Local Similarity 50.8%; Pred. No. 1,8e-15;
Matches 33; Conservative 18; Mismatches 12; Indels 2; Gaps 2;

QY 2 VSPITCCNNVNRKPIPIORLESYTRITNIQCPKEAVIFKTORGKVCADPKERVRDMSKHLDD 61
DB 2 VMPF-TCTT-TNKQIPFKRVNGYERITSSRCQEAIVFRLKXKNEVCADPTQKXWVDPMKHLDD 59

QY 62 KHLDDQ 66
DB 60 AKIDDQ 64

RESULT 5
US-10-125-451-17
Sequence 17, Application US/10125451
Publication No. US20030022314A1
GENERAL INFORMATION:
APPLICANT: Olsen et al.
TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
FILE REFERENCE: PFS04D1
CURRENT APPLICATION NUMBER: US/10/125,451
CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 09/479,729
PRIOR FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: 09/261,201
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: 60/115,439
PRIOR FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: 08/613,822

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: February 4, 2003, 10:23:32 ; Search time 14 Seconds

(without alignments)
153,420 Million cell updates/sec

Title: US-09-537-859c-2_COPY_27_99

Perfect score: 390
Sequence: 1 SVSIPITCEVINKRIPIQ.....ERWRDSMKHLDQIFONLKP 73

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

To: number of hits satisfying chosen parameters: 189993

Minimum DB seq length: 0
Maximum DB seq length: 73

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cg2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cg2_6/ptodata/1/1aa/PCTUS.COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	239	61.3	69	4	US-09-463-458A-31
3	239	61.3	69	4	US-09-463-458A-32
4	236	60.5	68	4	US-09-463-458A-9
5	236	60.5	68	4	US-09-463-458A-26
6	223.5	57.3	73	4	US-09-463-458A-29
7	223.5	57.3	73	4	US-09-366-887A-24
8	223	57.2	70	2	US-08-615-232A-7
9	215	55.1	70	4	US-09-366-887A-23
10	215	55.1	73	2	US-08-615-232A-2
11	215	55.1	73	2	US-08-470-323-2
12	213.5	54.7	67	3	US-08-127-499A-38
13	213.5	54.7	67	3	US-08-482-847-38
14	213.5	54.7	67	3	US-08-470-323-7
15	209	53.6	73	2	US-08-615-232A-1
16	209	53.6	73	2	US-08-470-323-1
17	201	51.5	61	3	US-07-927-391-3
18	201	51.5	63	3	US-07-927-391-2
19	190	48.7	71	2	US-08-615-232A-8
20	188	48.2	71	3	US-08-470-323-8
21	174.5	44.7	70	4	US-08-613-822-17
22	174.5	44.7	70	4	US-09-479-729B-17
23	163	41.8	45	3	US-07-927-391-4
24	145.5	37.3	70	1	US-07-745-382-16
25	145.5	37.3	70	1	US-07-921-848-16
26	145.5	37.3	70	1	US-08-165-301A-16
27	145.5	37.3	70	4	US-08-810-436-16

28	145.5	37.3	70	5	PCT-US94-14179-16	Sequence 16, Appl
29	144	36.9	37	4	US-09-366-887A-20	Sequence 20, Appl
30	144	36.9	62	3	US-08-995-156A-85	Sequence 85, Appl
31	144	36.9	62	4	US-09-419-281-85	Sequence 85, Appl
32	144	36.9	63	3	US-08-995-156A-86	Sequence 86, Appl
33	144	36.9	63	4	US-09-419-281-86	Sequence 86, Appl
34	144	36.9	64	4	US-08-995-156A-87	Sequence 87, Appl
35	144	36.9	64	4	US-09-419-281-87	Sequence 87, Appl
36	144	36.9	65	3	US-08-995-156A-88	Sequence 88, Appl
37	144	36.9	65	4	US-09-419-281-88	Sequence 88, Appl
38	144	36.9	66	4	US-08-995-156A-89	Sequence 89, Appl
39	144	36.9	67	4	US-09-419-281-89	Sequence 89, Appl
40	144	36.9	67	4	US-08-995-156A-90	Sequence 90, Appl
41	144	36.9	67	4	US-09-419-281-90	Sequence 90, Appl
42	144	36.9	68	3	US-08-995-156A-91	Sequence 91, Appl
43	144	36.9	68	4	US-09-419-281-91	Sequence 91, Appl
44	144	36.9	69	3	US-08-995-156A-92	Sequence 92, Appl
45	144	36.9	69	4	US-09-419-281-92	Sequence 92, Appl

ALIGNMENTS

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RESULT 1
US-09-463-458A-30
; Sequence 30, Application US/09463458A
; Patent No. 6383782
; GENERAL INFORMATION:
; APPLICANT: Barratt, Derek G
; APPLICANT: Needham, Maurice R.C.
; TITLE OF INVENTION: MCP-1 ANALOGS
; FILE REFERENCE: 1991-186
; CURRENT APPLICATION NUMBER: US/09/463,458A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: PCT/GB98/02179
; PRIOR FILING DATE: 1998-07-21
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 30
; LENGTH: 68
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: MCP1(9-76)
US-09-463-458A-30

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Best Local Similarity 64.2%   Pred. No. 9.1e-25;
Matches 43; Conservative 10; Mismatches 14; Indels 0; Gaps 0;

QY      6  ITCCFNVRKIPFQRLSEYTRITNIOCPKEAVIFKTQKGEVCAQDKERWRVDSMKHLD 65
DB      1  VTCCNPNRKRISVQRLASRYRITSSCKPEAVIFKTIYAKETICADPKQKWDSDHLD 60

QY      66 QIFONLK 72
DB      61 KQOTRPF 67

RESULT 2
US-09-463-458A-31
; Sequence 31, Application US/09463458A
; Patent No. 6383782
; GENERAL INFORMATION:
; APPLICANT: Barratt, Derek G
; APPLICANT: Needham, Maurice R.C.
; TITLE OF INVENTION: MCP-1 ANALOGS
; FILE REFERENCE: 1991-186
; CURRENT APPLICATION NUMBER: US/09/463,458A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: PCT/GB98/02179
; PRIOR FILING DATE: 1998-07-21
; NUMBER OF SEQ ID NOS: 32

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SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 69
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Met-MCP1(9-76)
US-09-463-458A-31

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Best Local Similarity 64.2%; Pred. No. 9.2e-25;
Matches 43; Conservative 10; Mismatches 14; Indels 0; Gaps 0;

QY 6 ITCCFNVINRKIPIDQLESYRTITNIQCPKEAVIFKTORGKEVCADPKERWVDSMKHLD 65
DB 2 TTCYNFTNRKISVORLASYSRITSSKCPKEAVIFKTIIVAKEICADPKOKWVODSMHLD 61

QY 66 QIFONLK 72
DB 62 KOTOTPK 68

RESULT 3
US-09-463-458A-32
; Sequence 32, Application US/09463458A
; Patent No. 6383782
; GENERAL INFORMATION:
; APPLICANT: Barratt, Derek G
; APPLICANT: Needham, Maurice R.C.
; TITLE OF INVENTION: MCP-1 ANALOGS
; FILE REFERENCE: 1991-186
; CURRENT APPLICATION NUMBER: US/09/463,458A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: PCT/GB98/02179
; PRIOR FILING DATE: 1998-07-21
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: PGIu-MCP1(9-76)
; NAME/KEY: VARIANT
; LOCATION: (...)
; OTHER INFORMATION: Xaa=PGlu
US-09-463-458A-32

Query Match          61.3%; Score 239; DB 4; Length 69;
Best Local Similarity 64.2%; Pred. No. 9.2e-25;
Matches 43; Conservative 10; Mismatches 14; Indels 0; Gaps 0;

QY 6 ITCCFNVINRKIPIDQLESYRTITNIQCPKEAVIFKTORGKEVCADPKERWVDSMKHLD 65
DB 2 TTCYNFTNRKISVORLASYSRITSSKCPKEAVIFKTIIVAKEICADPKOKWVODSMHLD 61

QY 66 QIFONLK 72
DB 62 KOTOTPK 68

RESULT 4
US-09-463-458A-9
; Sequence 9, Application US/09463458A
; Patent No. 6383782
; GENERAL INFORMATION:
; APPLICANT: Barratt, Derek G
; APPLICANT: Needham, Maurice R.C.
; TITLE OF INVENTION: MCP-1 ANALOGS
; FILE REFERENCE: 1991-186
; CURRENT APPLICATION NUMBER: US/09/463,458A
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CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: PCT/GB98/02179
; PRIOR FILING DATE: 1998-07-21
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: [V9A]MCP-1(9-76)
US-09-463-458A-9

Query Match          60.5%; Score 236; DB 4; Length 68;
Best Local Similarity 65.2%; Pred. No. 2.3e-24;
Matches 43; Conservative 9; Mismatches 14; Indels 0; Gaps 0;

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DB 2 TTCYNFTNRKISVORLASYSRITSSKCPKEAVIFKTIIVAKEICADPKOKWVODSMHLD 61

QY 67 IFONLK 72
DB 62 QOTOTPK 67

RESULT 5
US-09-463-458A-26
; Sequence 26, Application US/09463458A
; Patent No. 6383782
; GENERAL INFORMATION:
; APPLICANT: Barratt, Derek G
; APPLICANT: Needham, Maurice R.C.
; TITLE OF INVENTION: MCP-1 ANALOGS
; FILE REFERENCE: 1991-186
; CURRENT APPLICATION NUMBER: US/09/463,458A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: PCT/GB98/02179
; PRIOR FILING DATE: 1998-07-21
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: [V9G]MCP-1(9-76)
US-09-463-458A-26

Query Match          60.5%; Score 236; DB 4; Length 68;
Best Local Similarity 65.2%; Pred. No. 2.3e-24;
Matches 43; Conservative 9; Mismatches 14; Indels 0; Gaps 0;

QY 7 TTCFNVINRKIPIDQLESYRTITNIQCPKEAVIFKTORGKEVCADPKERWVDSMKHLD 66
DB 2 TTCYNFTNRKISVORLASYSRITSSKCPKEAVIFKTIIVAKEICADPKOKWVODSMHLD 61

QY 67 IFONLK 72
DB 62 QOTOTPK 67

RESULT 6
US-09-463-458A-29
; Sequence 29, Application US/09463458A
; Patent No. 6383782
; GENERAL INFORMATION:
; APPLICANT: Barratt, Derek G
; APPLICANT: Needham, Maurice R.C.
; TITLE OF INVENTION: MCP-1 ANALOGS
; FILE REFERENCE: 1991-186
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GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: February 4, 2003, 10:20:57 ; Search time 11 Seconds

(without alignments)
145,108 Million cell updates/sec

Title: US-09-537-859c-2_COPY_28_99

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Minimum DB seq length: 0
Maximum DB seq length: 72

Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	148	38.3	70	12	US-10-107-371-1
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9	134.5	34.8	69	9	US-09-792-793A-30
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12	120.5	31.2	68	9	US-09-888-938-5
13	120.5	31.2	69	9	US-09-793-793A-29
14	120.5	31.2	68	10	US-09-144-838-10
15	120.5	31.2	68	10	US-09-144-838-42
16	120.5	31.2	68	10	US-09-195-457-11
17	119.5	31.0	66	10	US-09-144-838-37
18	119.5	31.0	69	9	US-09-793-793A-28
19	118.5	30.7	72	10	US-09-334-923A-58

20	118.5	30.7	72	10	US-09-334-954A-58	Sequence 58, Appl
21	117	30.3	68	10	US-09-144-838-34	Sequence 34, Appl
22	116.5	30.2	70	10	US-09-334-923A-65	Sequence 65, Appl
23	116.5	30.2	70	10	US-09-334-954A-65	Sequence 65, Appl
24	114.5	29.7	72	10	US-09-144-838-5	Sequence 5, Appl
25	113.5	29.4	71	9	US-09-792-793A-33	Sequence 33, Appl
26	112.5	29.1	67	10	US-09-144-838-41	Sequence 41, Appl
27	111.5	28.9	69	10	US-09-144-838-46	Sequence 46, Appl
28	109	28.2	34	10	US-09-864-761-38961	Sequence 38961, A
29	109	28.2	67	10	US-09-144-838-33	Sequence 33, Appl
30	103.5	26.8	68	10	US-09-144-838-45	Sequence 45, Appl
31	101.5	26.3	67	10	US-09-144-838-36	Sequence 36, Appl
32	99.5	25.8	67	10	US-09-144-838-30	Sequence 30, Appl
33	98.5	25.5	37	10	US-09-864-761-39501	Sequence 39501, A
34	97.5	25.3	68	10	US-09-144-838-26	Sequence 26, Appl
35	96.5	25.0	64	9	US-09-796-692-1213	Sequence 1213, Ap
36	95.5	24.7	69	10	US-09-144-838-54	Sequence 54, Appl
37	94.5	24.5	68	10	US-09-144-838-40	Sequence 40, Appl
38	93.5	24.2	66	10	US-09-144-838-35	Sequence 35, Appl
39	92.5	24.0	68	10	US-09-144-838-50	Sequence 50, Appl
40	91	23.6	68	10	US-09-144-838-32	Sequence 32, Appl
41	89.5	23.2	67	10	US-09-144-838-25	Sequence 25, Appl
42	89	23.1	35	10	US-09-144-838-22	Sequence 22, Appl
43	87.5	22.7	68	10	US-09-144-838-53	Sequence 53, Appl
44	87	22.5	50	9	US-09-796-692-1244	Sequence 1244, Ap
45	86.5	22.4	67	10	US-09-144-838-39	Sequence 39, Appl

ALIGNMENTS

RESULT 1
US-09-195-457-7
Sequence 7, Appl
Patent No. US0020081623A1
GENERAL INFORMATION: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
PRIOR FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 7
LENGTH: 67
TYPE: PRT
ORGANISM: human
US-09-195-457-7

Query Match 55.3%; Score 213.5; DB 10; Length 67;
Best Local Similarity 60.6%; Pred. No. 1.6e-18;
Matches 40; Conservative 9; Mismatches 14; Indels 3; Gaps 1;

QY TCCTGCVINRKPIORLESYTRITNIOCPKEAVIFKTORGKEVCADPKERHVRDSMKHLQ 65
DB 4 TCCTGCVINRKPIORLESYTRITNIOCPKEAVIFKTORGKEVCADPKERHVRDSMKHLQ 60
QY 66 IFQNLK 71
DB 61 KTQTPK 66
RESULT 2

[illegible]

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; OTHER INFORMATION: Xaa equal any amino acid
US-10-125-451-17

Query Match          45.2%; Score 174.5; DB 9; Length 70;
Best Local Similarity 49.3%; Pred. No. 6,3e-14;
Matches 33; Conservative 13; Mismatches 20; Indels 1; Gaps 1;

QY      3 IPIRCGNNV-N-RKIPRORLESTRTITNIQCPEAVIFPKTORKEVCADPKERWRDMSK 61
         ||| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB       4 IPSACCRVNTICKISFQALKSKYKIITSKCPQTALVFRIKPKMICADPRXKWVDACK 63
         : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      62 HLDQIFQ 68
         : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB       64 YLDQISQ 70
         : | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 4
US-10-107-371-1
Sequence 1, Application US/10107371
Patent No. US20020146390A1
GENERAL INFORMATION:
APPLICANT: White, John R.
APPLICANT: Pelus, Louis M.
TITLE OF INVENTION: Method of Treating Sepsis and ARDS Using Chemokine Beta-6 (as amer
FILE REFERENCE: 1488,152005
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US/10/107,371
PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 09/496,273
PRIOR FILING DATE: 2000-02-01
PRIOR APPLICATION NUMBER: US 08/852,212
PRIOR FILING DATE: 1997-05-06
PRIOR APPLICATION NUMBER: US 60/017,871
PRIOR FILING DATE: 1996-05-14
NUMBER OF SEQ ID NOS: 1
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 70
TYPE: PRT
ORGANISM: Homo sapiens
US-10-107-371-1

Query Match          38.3%; Score 148; DB 12; Length 70;
Best Local Similarity 42.2%; Pred. No. 8.1e-11;
Matches 27; Conservative 13; Mismatches 24; Indels 0; Gaps 0;

QY      1 VSIPTCCFNVINRKIPRLSTRTITNIQCPEAVIFTKQRKEVCADPKERWRDMSK 60
         :::: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB       1 VVIPCCCMFFVYSKRIPENRVVSYSLSRSSTLKGVIFTTKGGQPCGDPKQEWVRXM 60
         : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      61 KHLID 64
         : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB       61 KNLLD 64
         : | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 5
US-10-153-064-87
Sequence 87, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 87
LENGTH: 66
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-87
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OM protein - protein search, using sw model

Run on: February 4, 2003, 10:20:57 ; Search time 14 Seconds

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Title: US-09-537-859C-2_COPY_28_99

Sequence: 1 VSPITCCPVRVNRKPIPIOR.....ERWVDSMKHLDQIFONLKP 72

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

To: number of hits satisfying chosen parameters: 189718

Minimum DB seq length: 0
Maximum DB seq length: 72

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	239	61.9	68	US-09-463-458A-30	Sequence 30, Appl
2	239	61.9	69	US-09-463-458A-31	Sequence 31, Appl
3	239	61.9	69	US-09-463-458A-32	Sequence 32, Appl
4	236	61.1	68	US-09-463-458A-9	Sequence 9, Appl
5	236	61.1	68	US-09-463-458A-26	Sequence 26, Appl
6	236	61.1	68	US-09-463-458A-29	Sequence 29, Appl
7	223	57.8	70	US-08-615-232A-7	Sequence 7, Appl
8	215	55.7	70	US-09-366-887A-23	Sequence 23, Appl
9	213.5	55.3	67	US-08-127-499A-38	Sequence 38, Appl
10	213.5	55.3	67	US-08-482-847-38	Sequence 7, Appl
11	213.5	55.3	67	US-08-470-323-7	Sequence 3, Appl
12	201	52.1	63	US-07-927-391-2	Sequence 2, Appl
13	201	52.1	63	US-07-927-391-3	Sequence 8, Appl
14	190	49.2	71	US-08-615-232A-8	Sequence 17, Appl
15	188	48.7	71	US-08-615-232A-8	Sequence 4, Appl
16	174.5	45.2	70	US-08-613-822-17	Sequence 16, Appl
17	174.5	45.2	70	US-08-613-822-17	Sequence 16, Appl
18	163	42.2	45	US-07-927-391-4	Sequence 16, Appl
19	145.5	37.7	70	US-07-745-382-16	Sequence 16, Appl
20	145.5	37.7	70	US-07-921-848-16	Sequence 16, Appl
21	145.5	37.7	70	US-08-165-301A-16	Sequence 16, Appl
22	145.5	37.7	70	US-08-810-436-16	Sequence 16, Appl
23	145.5	37.7	70	PCT-US94-14179-16	Sequence 16, Appl
24	144	37.3	37	US-09-366-887A-20	Sequence 20, Appl
25	144	37.3	62	US-08-995-156A-85	Sequence 85, Appl
26	144	37.3	62	US-09-419-281-85	Sequence 85, Appl
27	144	37.3	63	US-08-995-156A-86	Sequence 86, Appl

28	144	37.3	63	US-09-419-281-86	Sequence 86, Appl
29	144	37.3	64	US-08-995-156A-87	Sequence 87, Appl
30	144	37.3	64	US-09-419-281-87	Sequence 87, Appl
31	144	37.3	65	US-08-995-156A-88	Sequence 88, Appl
32	144	37.3	65	US-09-419-281-88	Sequence 88, Appl
33	144	37.3	66	US-08-995-156A-89	Sequence 89, Appl
34	144	37.3	66	US-09-419-281-89	Sequence 89, Appl
35	144	37.3	67	US-08-995-156A-90	Sequence 90, Appl
36	144	37.3	67	US-09-419-281-90	Sequence 90, Appl
37	144	37.3	68	US-08-995-156A-91	Sequence 91, Appl
38	144	37.3	69	US-09-419-281-91	Sequence 91, Appl
39	144	37.3	69	US-08-995-156A-92	Sequence 92, Appl
40	144	37.3	70	US-09-419-281-92	Sequence 92, Appl
41	144	37.3	70	US-08-995-156A-93	Sequence 93, Appl
42	144	37.3	70	US-09-419-281-93	Sequence 93, Appl
43	144	37.3	71	US-08-995-156A-94	Sequence 94, Appl
44	144	37.3	71	US-09-419-281-94	Sequence 94, Appl
45	144	37.3	72	US-08-995-156A-95	Sequence 95, Appl

ALIGNMENTS

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RESULT 1
US-09-463-458A-30
Sequence 30, Application US/09463458A
Patent No. 6383782
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
CURRENT APPLICATION NUMBER: US/09/463,458A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 30
LENGTH: 68
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: MCP1(9-76)
US-09-463-458A-30

Query Match      61.9%  Score 239,  DB 4,  Length 68;
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Matches 43;  Conservative 10;  Mismatches 14;  Indels 0;  Gaps 0;

QY      5  ITCCPVRVNRKPIPIORLESYTRITNIOCPKEAVIFKTRGKEVCADPKERWVDSMKHLD 64
DB      1  VTCCPVRVNRKPIPIORLESYTRITNIOCPKEAVIFKTRGKEVCADPKERWVDSMKHLD 60
QY      65  QIFONLKP 71
DB      61  KQTPPK 67

RESULT 2
US-09-463-458A-31
Sequence 31, Application US/09463458A
Patent No. 6383782
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
CURRENT APPLICATION NUMBER: US/09/463,458A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32

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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 31
LENGTH: 69
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Met-MCP1(9-76)
US-09-463-458A-31

Query Match 61.9%; Score 239; DB 4; Length 69;
Best Local Similarity 64.2%; Pred. No. 8.3e-25; Indels 0; Gaps 0;
Matches 43; Conservative 10; Mismatches 14;

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DB 2 TTCVNFTRKISVORLASRYRITSSKCPKEAVIFKTIYAKEICADPKQKXWVQDSMDHLD 61

QY 65 QIFONLK 71
DB 62 KOTOTPK 68

RESULT 3
US-09-463-458A-32
Sequence 32, Application US/09463458A
Patent No. 6383782
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G.
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
CURRENT APPLICATION NUMBER: US/09/463,458A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 32
LENGTH: 69
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: PGLU-MCP1(9-76)
FEATURE:
NAME/KEY: VARIANT
LOCATION: (...)
OTHER INFORMATION: Xaa=PGLU
US-09-463-458A-32

Query Match 61.9%; Score 239; DB 4; Length 69;
Best Local Similarity 64.2%; Pred. No. 8.3e-25; Indels 0; Gaps 0;
Matches 43; Conservative 10; Mismatches 14;

QY 5 ITCCNVNIRKIPRIORLESYTRITNIQCPKEAVIFKTORGKEVCADPKERWVRDMSKHLDD 64
DB 2 TTCVNFTRKISVORLASRYRITSSKCPKEAVIFKTIYAKEICADPKQKXWVQDSMDHLD 61

QY 65 QIFONLK 71
DB 62 KOTOTPK 68

RESULT 4
US-09-463-458A-9
Sequence 9, Application US/09463458A
Patent No. 6383782
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G.
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
CURRENT APPLICATION NUMBER: US/09/463,458A

CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 68
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: [V9A]MCP-1(9-76)
US-09-463-458A-9

Query Match 61.1%; Score 236; DB 4; Length 68;
Best Local Similarity 65.2%; Pred. No. 2e-24; Indels 0; Gaps 0;
Matches 43; Conservative 9; Mismatches 14;

QY 6 TCCFVNIRKIPRIORLESYTRITNIQCPKEAVIFKTORGKEVCADPKERWVRDMSKHLDD 65
DB 2 TTCVNFTRKISVORLASRYRITSSKCPKEAVIFKTIYAKEICADPKQKXWVQDSMDHLDK 61

QY 66 IFONLK 71
DB 62 QOTOTPK 67

RESULT 5
US-09-463-458A-26
Sequence 26, Application US/09463458A
Patent No. 6383782
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G.
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
CURRENT APPLICATION NUMBER: US/09/463,458A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 26
LENGTH: 68
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: [V9G]MCP-1(9-76)
US-09-463-458A-26

Query Match 61.1%; Score 236; DB 4; Length 68;
Best Local Similarity 65.2%; Pred. No. 2e-24; Indels 0; Gaps 0;
Matches 43; Conservative 9; Mismatches 14;

QY 6 TCCFVNIRKIPRIORLESYTRITNIQCPKEAVIFKTORGKEVCADPKERWVRDMSKHLDD 65
DB 2 TTCVNFTRKISVORLASRYRITSSKCPKEAVIFKTIYAKEICADPKQKXWVQDSMDHLDK 61

QY 66 IFONLK 71
DB 62 QOTOTPK 67

RESULT 6
US-09-463-458A-29
Sequence 29, Application US/09463458A
Patent No. 6383782
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G.
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186

GenCore version 5.1.3
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OM protein - protein search, using SW model

Run on: February 4, 2003, 10:19:47 ; Search time 11 Seconds

(without alignments)
145.108 Million cell updates/sec

Title: US-09-537-859c-2_COPY_28_99

Perfect score: 386
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Gapop 10.0, Gapext 0.5

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
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- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB pep:*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB pep:*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB pep:*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	382	99.0	77	9	US-10-057-275-10
5	382	99.0	77	10	US-09-834-795A-24
6	382	99.0	109	9	US-10-033-067-1
7	267	69.2	97	9	US-10-057-275-5
8	263	68.1	74	9	US-09-792-793A-13
9	263	68.1	74	9	US-10-125-451-20
10	263	68.1	97	8	US-08-927-939-25
11	263	68.1	97	9	US-10-057-275-2
12	263	68.1	97	9	US-10-114-853-52
13	263	68.1	97	10	US-09-834-795A-26
14	263	68.1	323	9	US-09-792-793A-80
15	263	68.1	325	9	US-09-792-793A-81
16	263	68.1	330	9	US-09-792-793A-82
17	249	64.5	76	9	US-09-792-793A-20
18	249	64.5	76	10	US-09-195-457-5
19	249	64.5	99	8	US-08-927-939-16

20	249	64.5	99	9	US-10-057-275-9	Sequence 9, Appl1
21	249	64.5	99	9	US-10-033-067-4	Sequence 4, Appl1
22	249	64.5	99	9	US-10-141-965-5	Sequence 5, Appl1
23	249	64.5	325	9	US-09-792-793A-71	Sequence 71, Appl1
24	249	64.5	327	9	US-09-792-793A-72	Sequence 72, Appl1
25	249	64.5	332	9	US-09-792-793A-73	Sequence 73, Appl1
26	243	63.0	99	10	US-09-834-795A-28	Sequence 28, Appl1
27	230	59.6	76	9	US-09-792-793A-22	Sequence 22, Appl1
28	230	59.6	77	9	US-10-125-451-19	Sequence 19, Appl1
29	230	59.6	76	9	US-09-792-793A-86	Sequence 86, Appl1
30	230	59.6	99	8	US-08-927-939-18	Sequence 18, Appl1
31	230	59.6	99	9	US-10-125-451-18	Sequence 18, Appl1
32	230	59.6	109	9	US-10-057-275-11	Sequence 11, Appl1
33	230	59.6	109	9	US-10-033-067-3	Sequence 3, Appl1
34	230	59.6	325	9	US-09-792-793A-74	Sequence 74, Appl1
35	230	59.6	327	9	US-09-792-793A-75	Sequence 75, Appl1
36	230	59.6	332	9	US-09-792-793A-76	Sequence 76, Appl1
37	225	58.3	99	10	US-09-834-795A-27	Sequence 27, Appl1
38	215	55.7	73	10	US-09-195-457-2	Sequence 2, Appl1
39	213.5	55.3	67	10	US-09-195-457-7	Sequence 7, Appl1
40	212.5	55.1	75	9	US-09-792-793A-23	Sequence 23, Appl1
41	212.5	55.1	98	8	US-08-927-939-50	Sequence 50, Appl1
42	212.5	55.1	98	8	US-08-927-939-83	Sequence 83, Appl1
43	212.5	55.1	98	9	US-10-164-621-4	Sequence 4, Appl1
44	212.5	55.1	98	9	US-10-125-451-4	Sequence 4, Appl1
45	212.5	55.1	98	10	US-09-834-795A-25	Sequence 25, Appl1

ALIGNMENTS

RESULT 1
US-09-195-457-6 Application US/09195457
; Sequence 6, Appl1
; Patent No. US20020081623A1
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; FILE REFERENCE: 550-33
; CURRENT APPLICATION NUMBER: US/09/195,457
; CURRENT FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/470,323
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/GB94/02006
; PRIOR FILING DATE: 1994-09-14
; PRIOR APPLICATION NUMBER: GB 9318984.3
; PRIOR FILING DATE: 1993-09-14
; PRIOR APPLICATION NUMBER: GB 94086902.2
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 6
; LENGTH: 74
; TYPE: PRT
; ORGANISM: human
; US-09-195-457-6
Query Match 99.0%; Score 382; DB 10; Length 74;
Best Local Similarity 98.6%; Pred. No. 3e-38;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 VSIPITCCFNVINRKPIRRLSYTRITNIQCPKEAVIKTRGKVCADPKERWRDSM 60
DB 3 VSIPITCCFNVINRKPIRRLSYTRITNIQCPKEAVIKTRGKVCADPKERWRDSM 62
QY 61 KHLDDIFONTKP 72
DB 63 KHLDDIFONTKP 74
RESULT 2

US-09-792-793A-21
; Sequence 21, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Cogging, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 21
; LENGTH: 76
; TYPE: PRT
; ORGANISM: homo sapien
; FEATURE:
; OTHER INFORMATION: Human Chemokine Polypeptide: MCP-2
US-09-792-793A-21
Query Match 99.0%; Score 382; DB 9; Length 76;
Best Local Similarity 98.6%; Pred. No. 3.2e-38;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 VSIPITCCFNVNIRKIPQRLSYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSM 60
DB 5 VSIPITCCFNVNIRKIPQRLSYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSM 64
QY 61 KHLDOI FQNLKP 72
DB 65 KHLDOI FQNLKP 76
RESULT 3
US-08-927-939-17
; Sequence 17, Application US/08927939
; Patent No. US2001000640A1
; GENERAL INFORMATION:
; APPLICANT: Grainger, David J.
; APPLICANT: Tatalick, Lauren Marie
; TITLE OF INVENTION: Compounds and methods to inhibit or
; FILE REFERENCE: 295.022US1
; CURRENT APPLICATION NUMBER: US/08/927,939
; CURRENT FILING DATE: 1997-09-11
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 3.0
; ID NO 17
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-927-939-17
Query Match 99.0%; Score 382; DB 8; Length 77;
Best Local Similarity 98.6%; Pred. No. 3.2e-38;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 VSIPITCCFNVNIRKIPQRLSYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSM 60
DB 6 VSIPITCCFNVNIRKIPQRLSYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSM 65
QY 61 KHLDOI FQNLKP 72
DB 66 KHLDOI FQNLKP 77
RESULT 4
US-10-057-275-10
; Sequence 10, Application US/10057275
; Patent No. US2002015545A1
; GENERAL INFORMATION:
; APPLICANT: Coleman, Roger

Bandman, Olga
; Title of Invention: NEW CHEMOKINES EXPRESSED IN PANCREAS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESS: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/057,275
; FILING DATE: 25-Jan-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,740A
; FILING DATE: February 17, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Luther, Barbara J.
; REGISTRATION NUMBER: 33,954
; REFERENCE/DOCKET NUMBER: PF-0027 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-852-0195
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 77 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: MCP-2
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-057-275-10
Query Match 99.0%; Score 382; DB 9; Length 77;
Best Local Similarity 98.6%; Pred. No. 3.2e-38;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 VSIPITCCFNVNIRKIPQRLSYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSM 60
DB 6 VSIPITCCFNVNIRKIPQRLSYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSM 65
QY 61 KHLDOI FQNLKP 72
DB 66 KHLDOI FQNLKP 77
RESULT 5
US-09-834-795A-24
; Sequence 24, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Papsidero
; APPLICANT: Lynn, Dyster
; APPLICANT: Jana, Frustaci
; TITLE OF INVENTION: Detection and Treatment of Breast Cancer
; FILE REFERENCE: 3380/11127-US3
; CURRENT APPLICATION NUMBER: US/09/834,795A
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/146,580
; PRIOR FILING DATE: 1998-09-03
; PRIOR APPLICATION NUMBER: 60/071,899
; PRIOR FILING DATE: 1998-01-20
; PRIOR APPLICATION NUMBER: 60/092,155
; PRIOR FILING DATE: 1998-07-09

NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin version 3.0
SEQ ID NO 24
LENGTH: 77
TYPE: PRT
ORGANISM: Homo sapiens
US-09-834-795A-24

Query Match 99.0%; Score 382; DB 10; Length 77;
Best Local Similarity 98.6%; Pred. No. 3.2e-38;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VSIPITCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 60
DB 6 VSIPITCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 65

QY 61 KHLDOIIFQNLKP 72
DB 66 KHLDOIIFQNLKP 77

RESULT 6

US-10-033-067-1
Sequence 1, Application US/10033067
Patent No. US20020164704A1
GENERAL INFORMATION:
APPLICANT: Coleman, Roger
APPLICANT: Hillman, Jennifer L.
APPLICANT: Au-Young, Janice
TITLE OF INVENTION: NOVEL HUMAN MONOCYTE CHEMOTACTIC PROTEIN
FILE REFERENCE: PF-0069-1 CON
CURRENT APPLICATION NUMBER: US/10/033,067
CURRENT FILING DATE: 2001-10-26
PRIOR APPLICATION NUMBER: 08/683,655
PRIOR FILING DATE: 1996-07-15
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 109
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020164704A1 965517CD1
US-10-033-067-1

Query Match 99.0%; Score 382; DB 9; Length 109;
Best Local Similarity 98.6%; Pred. No. 4.7e-38;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VSIPITCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 60
DB 38 VSIPITCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 97

QY 61 KHLDOIIFQNLKP 72
DB 98 KHLDOIIFQNLKP 109

RESULT 7

US-10-057-275-5
Sequence 5, Application US/10057275
Patent No. US20020155454A1
GENERAL INFORMATION:
APPLICANT: Coleman, Roger
APPLICANT: Bandman, Olga
APPLICANT: Wilde, Craig G.
TITLE OF INVENTION: NEW CHEMOKINES EXPRESSED IN PANCREAS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto

STATE: CA
COUNTRY: U.S.
ZIP: 94304

COMPUTER READABLE FORM:

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/057,275
FILING DATE: 25-Jan-2002

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/390,740A
FILING DATE: February 17, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Luther, Barbara J.

REGISTRATION NUMBER: 33,954

REFERENCE/DOCKET NUMBER: PF-0027 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-852-0195

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 97 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Query Match 69.2%; Score 267; DB 9; Length 97;
Best Local Similarity 70.8%; Pred. No. 1.3e-24;
Matches 51; Conservative 7; Mismatches 12; Indels 2; Gaps 1;

QY 1 VSIPITCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 60
DB 28 VSIPITCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 87

QY 61 KHLDOIIFQNLKP 72
DB 88 KHLDOIIFQNLKP 97

RESULT 8

US-09-792-793A-13
Sequence 13, Application US/09792793A
Patent No. US20020168370A1
GENERAL INFORMATION:
APPLICANT: McDonald, John R.
APPLICANT: Cogdins, Philip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
FILE REFERENCE: 25020-601D
CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 13
LENGTH: 74
TYPE: PRT
ORGANISM: homo sapien
FEATURE:
OTHER INFORMATION: Human Chemokine Polypeptide: Eotaxin
US-09-792-793A-13

Query Match 68.1%; Score 263; DB 9; Length 74;
Best Local Similarity 64.8%; Pred. No. 2.8e-24;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

QY 2 SVPTTCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 61
DB 4 SVPTTCCFNVINRKIPQRLSEYTRITNIQCPKEAVIFKTQGRKEVCADPKERWVRDSM 63

Query Match	68.1%;	Score 263;	DB 10;	Length 97;
Best Local Similarity	64.8%;	Pred. No. 3.8e-24;		
Matches 46;	Conservative 14;	Mismatches 11;	Indels 0;	Gaps 0;

Query Match	68.1%;	Score 263;	DB 9;	Length 325;
Best Local Similarity	64.8%;	Pred. No. 1.5e-23;		
Matches 46;	Conservative 14;	Mismatches 11;	Indels 0;	Gaps 0

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Sat Feb 8 14:53:30 2003

us-09-537-859c-2_copy_28_99.open.rapb

Page 6

Db 5 SVPTCCPNLANKIPLQRLSRYRRTSGKCPQKAVIFKTLADICADPKKKWVDDSMK 64

Qy 62 HLDQIFQNLKP 72

Db 65 YLDQKSPTRPKP 75

Search completed: February 4, 2003, 10:20:56
Job time : 12 secs

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: February 4, 2003, 10:19:47 ; Search time 15 Seconds
(without alignments)
141.230 Million cell updates/sec

Title: US-09-537-859C-2_COPY_28_99

Sequence: 1 VSIRITCCFNVINRPIQR.....ERWRDSMKHLDQIFQNLKP 72

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

To: number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:

- 1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
- 2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
- 3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
- 4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
- 5: /cgn2_6/ptodata/1/1aa/PTUS_COMB.pep:*
- 6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	382	99.0	74	2	US-08-615-232A-6
2	382	99.0	74	3	US-08-470-323-6
3	382	99.0	76	1	US-08-480-449-20
4	382	99.0	76	2	US-08-716-188-3
5	382	99.0	76	2	US-08-660-542-20
6	382	99.0	76	4	US-08-479-603-20
7	382	99.0	77	1	US-08-347-492B-9
8	382	99.0	77	2	US-08-421-144A-6
9	382	99.0	77	2	US-08-98-143-9
10	382	99.0	77	4	US-09-366-887A-12
11	263	68.1	74	4	US-08-613-822-20
12	263	68.1	74	4	US-09-479-729B-20
13	263	68.1	74	4	US-09-366-887A-25
14	263	68.1	74	4	US-09-366-887A-27
15	251.5	65.2	96	4	US-09-230-637-44
16	249	64.5	76	1	US-07-956-862A-1
17	249	64.5	76	1	US-08-250-958-1
18	249	64.5	76	1	US-08-235-659-1
19	249	64.5	76	1	US-08-716-188-2
20	249	64.5	76	2	US-08-615-232A-5
21	249	64.5	76	3	US-08-470-323-5
22	249	64.5	78	1	US-08-330-163-12
23	249	64.5	78	1	US-08-482-111-12
24	249	64.5	78	1	PCT-US95-00605-1
25	249	64.5	99	1	US-08-127-499A-35
26	249	64.5	99	1	US-08-482-847-35
27	249	64.5	99	1	US-08-347-492B-8

28	249	64.5	99	1	US-08-480-449-19	Sequence 19, Appl
29	249	64.5	99	2	US-08-479-126B-5	Sequence 5, Appl
30	249	64.5	99	2	US-08-421-144A-5	Sequence 5, Appl
31	249	64.5	99	2	US-08-726-830A-5	Sequence 19, Appl
32	249	64.5	99	2	US-08-660-542-19	Sequence 24, Appl
33	249	64.5	99	2	US-08-798-143-8	Sequence 5, Appl
34	249	64.5	99	3	US-07-927-391-24	Sequence 5, Appl
35	249	64.5	99	3	US-08-995-156A-5	Sequence 5, Appl
36	249	64.5	99	3	US-09-044-856A-5	Sequence 152, App
37	249	64.5	99	4	US-08-679-493A-152	Sequence 10, Appl
38	249	64.5	99	4	US-08-479-603-19	Sequence 5, Appl
39	249	64.5	99	4	US-09-419-281-5	Sequence 10, Appl
40	249	64.5	99	4	US-09-366-887A-10	Sequence 5, Appl
41	249	64.5	99	5	PCT-US96-10087-5	Sequence 2, Appl
42	249	64.5	99	6	5212073-2	Sequence 30, Appl
43	241	62.4	104	4	US-08-744-419-2	
44	241	61.9	68	4	US-09-463-458A-30	
45	239	61.9	68	4	US-09-463-458A-30	

ALIGNMENTS

RESULT 1
US-08-615-232A-6
Sequence 6, Application US/08615232A
Patent No. 5993814

GENERAL INFORMATION:

APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.

APPLICANT: HSUDAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE

NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR

CITY: ARLINGTON
STATE: VIRGINIA

COUNTRY: U.S.A.
ZIP: 22201-4714

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25 (RPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,232A

FILING DATE: 13-AUG-1996
CLASSIFICATION: 424

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9318984

FILING DATE: 14-SEP-1993
APPLICATION NUMBER: GB 9408602

FILING DATE: 29-APR-1994
ATTORNEY/AGENT INFORMATION:

NAME: WILSON, MARY J. 32,955
REGISTRATION NUMBER: 550-32

REFERENCE/DOCKET NUMBER: 550-32
TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4100
FAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:

LENGTH: 74 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
US-08-615-232A-6

Query Match 99.0%; Score 382; DB 2; Length 74;
Best Local Similarity 98.6%; Pred. No. 7.1e-44;

Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VSIPITCCFNINRKIPQRLSESYTRITNIQCPKEAVIFKTRGKEVCADPKERWVDSM 60
Db 3 VSIPITCCFNINRKIPQRLSESYTRITNIQCPKEAVIFKTRGKEVCADPKERWVDSM 62
Qy 61 KHLDOIIFONLKP 72
Db 63 KHLDOIIFONLKP 74

RESULT 2

US-08-470-323-6
Sequence 6, Application US/08470323A
Patent No. 6031080
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
CITE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/08/470,323A
EARLIER FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: PCT/GB94/02006
EARLIER FILING DATE: 1994-09-14
EARLIER APPLICATION NUMBER: GB 9318984.3
EARLIER FILING DATE: 1993-09-14
EARLIER APPLICATION NUMBER: GB 94086902.2
EARLIER FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 6
LENGTH: 74
TYPE: PRT
ORGANISM: human
US-08-470-323-6

Query Match 99.0%; Score 382; DB 3; Length 74;
Best Local Similarity 98.6%; Pred. No. 7, 1e-44;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VSIPITCCFNINRKIPQRLSESYTRITNIQCPKEAVIFKTRGKEVCADPKERWVDSM 60
Db 3 VSIPITCCFNINRKIPQRLSESYTRITNIQCPKEAVIFKTRGKEVCADPKERWVDSM 62
Qy 61 KHLDOIIFONLKP 72
Db 63 KHLDOIIFONLKP 74

RESULT 3

US-08-480-449-20
Sequence 20, Application US/08480449
Patent No. 5688927
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,449

FILING DATE:

CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 27866/32779
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 76 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: "Hu MCP-2"
US-08-480-449-20

Query Match 99.0%; Score 382; DB 1; Length 76;
Best Local Similarity 98.6%; Pred. No. 7, 3e-44;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VSIPITCCFNINRKIPQRLSESYTRITNIQCPKEAVIFKTRGKEVCADPKERWVDSM 60
Db 5 VSIPITCCFNINRKIPQRLSESYTRITNIQCPKEAVIFKTRGKEVCADPKERWVDSM 64
Qy 61 KHLDOIIFONLKP 72
Db 65 KHLDOIIFONLKP 76

RESULT 4

US-08-716-188-3
Sequence 3, Application US/08716188
Patent No. 5908829
GENERAL INFORMATION:
APPLICANT: KELLY, RODNEY W
TITLE OF INVENTION: USE OF MCP-1 FOR INDUCING RIPENING OF
TITLE OF INVENTION: THE CERVIX
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/716,188
FILING DATE: 30-SEP-1996
CLASSIFICATION: 530
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: PCT/GB95/00733
FILING DATE: 31-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9406463.1
FILING DATE: 31-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: SADOFF, B.J.
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 117-219
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4091
TELEFAX: 703-816-4100

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 76 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-716-188-3

Query Match 99.0%; Score 382; DB 2; Length 76;
Best Local Similarity 98.6%; Pred. No. 7.3e-44;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VSIPITCCFNVINKRPIQRLSESYTRITNIQCPKEAVIFKTQKGEVCADPKERWVRDSM 60
DB 5 VSIPITCCFNVINKRPIQRLSESYTRITNIQCPKEAVIFKTQKGEVCADPKERWVRDSM 64

QY 61 KHLDOIIFONLKP 72
DB 65 KHLDOIIFONLKP 76

RESULT 5

US-08-660-542-20
Sequence 20, Application US/08660542

PATENT No. 5932703
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE AND CHEMOKINE
TITLE OF INVENTION: ANALOGS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,542
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/558,658
FILING DATE: 16-NOV-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/479,620
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 27866/33318
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 76 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURES:
NAME/KEY: misc feature
OTHER INFORMATION: "Hu MCP-2"
US-08-660-542-20

Query Match 99.0%; Score 382; DB 2; Length 76;
Best Local Similarity 98.6%; Pred. No. 7.3e-44;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VSIPITCCFNVINKRPIQRLSESYTRITNIQCPKEAVIFKTQKGEVCADPKERWVRDSM 60
DB 5 VSIPITCCFNVINKRPIQRLSESYTRITNIQCPKEAVIFKTQKGEVCADPKERWVRDSM 64

QY 61 KHLDOIIFONLKP 72
DB 65 KHLDOIIFONLKP 76

RESULT 6

US-08-479-603-20
Sequence 20, Application US/08479603

PATENT No. 6320023
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/479,603
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 27866/32780
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 76 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURES:
NAME/KEY: misc feature
OTHER INFORMATION: "Hu MCP-2"
US-08-479-603-20

Query Match 99.0%; Score 382; DB 4; Length 76;
Best Local Similarity 98.6%; Pred. No. 7.3e-44;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VSIPITCCFNVINKRPIQRLSESYTRITNIQCPKEAVIFKTQKGEVCADPKERWVRDSM 60
DB 5 VSIPITCCFNVINKRPIQRLSESYTRITNIQCPKEAVIFKTQKGEVCADPKERWVRDSM 64

QY 61 KHLDOIIFONLKP 72
DB 65 KHLDOIIFONLKP 76

RESULT 7

US-08-347-492B-9
 ; Sequence 9, Application US/08347492B
 ; Patent No. 5602008
 ; GENERAL INFORMATION:
 ; APPLICANT: Wilde, Craig G.
 ; APPLICANT: Hawkin, Phillip R.
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Seilhamer, Jeffrey J.
 ; TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR
 ; TITLE OF INVENTION: PRODUCTION AND USES
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: U.S.
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FASTSEQ Version 1.5
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/347,492B
 ; FILING DATE: 29-NOV-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/303,241
 ; FILING DATE: 07-SEP-1994
 ; APPLICATION NUMBER: 08/320,011
 ; FILING DATE: 05-OCT-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Luther, Barbara J.
 ; REGISTRATION NUMBER: 33,954
 ; REFERENCE/DOCKET NUMBER: PF-0024
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-855-0555
 ; TELEFAX: 415-852-0195
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 77 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; IMMEDIATE SOURCE:
 ; LIBRARY: GENBANK
 ; CLONE: GI 126829
 ; US-08-347-492B-9

Query Match 99.0%; Score 382; DB 1; Length 77;
 Best Local Similarity 98.6%; Pred. No. 7,4e-44;
 Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VSIPITCCENVINRKIPQRLSESYTRITNIQCPKEAVIFKTQSGKEVCADPKERWRDMS 60
 DB 6 VSIPITCCENVINRKIPQRLSESYTRITNIQCPKEAVIFKTQSGKEVCADPKERWRDMS 65

QY 61 KHLDFIQLNKP 72
 DB 66 KHLDFIQLNKP 77

RESULT 8
 US-08-421-144A-6
 ; Sequence 6, Application US/08421144A
 ; Patent No. 5874211
 ; GENERAL INFORMATION:
 ; APPLICANT: BANDMAN, OLGA
 ; APPLICANT: COLEMAN, ROGER
 ; APPLICANT: STUART, SUSAN G.
 ; TITLE OF INVENTION: NEW CHEMOKINE EXPRESSED IN EOSINOPHILS
 ; NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/421,144A
 FILING DATE: 13-APR-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Luther, Barbara J.
 REGISTRATION NUMBER: 33954
 REFERENCE/DOCKET NUMBER: PF-0031 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-852-0195
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 77 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-421-144A-6

Query Match 99.0%; Score 382; DB 2; Length 77;
 Best Local Similarity 98.6%; Pred. No. 7,4e-44;
 Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VSIPITCCENVINRKIPQRLSESYTRITNIQCPKEAVIFKTQSGKEVCADPKERWRDMS 60
 DB 6 VSIPITCCENVINRKIPQRLSESYTRITNIQCPKEAVIFKTQSGKEVCADPKERWRDMS 65

QY 61 KHLDFIQLNKP 72
 DB 66 KHLDFIQLNKP 77

RESULT 9
 US-08-798-143-9
 ; Sequence 9, Application US/08798143
 ; Patent No. 5936068
 ; GENERAL INFORMATION:
 ; APPLICANT: Wilde, Craig G.
 ; APPLICANT: Hawkin, Phillip R.
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Seilhamer, Jeffrey J.
 ; TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR
 ; TITLE OF INVENTION: PRODUCTION AND USES
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: U.S.
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FASTSEQ Version 1.5
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/798,143
 ; FILING DATE: 10-FEB-1997
 ; CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/347,492
FILING DATE: 29-NOV-1994
APPLICATION NUMBER: 08/303,241
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/320,011
FILING DATE: 05-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0024
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
DIRECT TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: GI 126829
US-08-798-143-9

Query Match 99.0%; Score 382; DB 2; Length 77;
Best Local Similarity 98.6%; Pred. No. 7.4e-44;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VSIPITCCFNVRNKIPIDRLSEYTRITNIOCPKEAVIFKTORGKVCADPKERVRDSM 60
Db 6 VSIPITCCFNVRNKIPIDRLSEYTRITNIOCPKEAVIFKTORGKVCADPKERVRDSM 65

Qy 61 KHLDOIFONLKP 72
Db 66 KHLDOIFONLKP 77

RESULT 10
US-09-366-887A-12
Sequence 12, Application US/09366887A
Patent No. 6403782
GENERAL INFORMATION:
APPLICANT: LUSTER, ANDREW D.
APPLICANT: LEDER, PHILIP
APPLICANT: ROTHENBERG, MARC
APPLICANT: GARCIA, EDUARDO
TITLE OF INVENTION: BOTAXIN: AN EOSINOPHIL CHEMOATTRACTANT
FILE REFERENCE: 00383/025002
CURRENT APPLICATION NUMBER: US/09/366,887A
CURRENT FILING DATE: 1999-08-04
PRIOR APPLICATION NUMBER: 60/000,449
PRIOR FILING DATE: 1995-06-22
PRIOR APPLICATION NUMBER: 08/522,713
PRIOR FILING DATE: 1995-09-01
PRIOR APPLICATION NUMBER: 08/522,713
PRIOR FILING DATE: 1998-06-16
NUMBER OF SEQ ID NOS: 27
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12
LENGTH: 77
TYPE: PRT
ORGANISM: Homo sapiens
US-09-366-887A-12

Query Match 99.0%; Score 382; DB 4; Length 77;
Best Local Similarity 98.6%; Pred. No. 7.4e-44;
Matches 71; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VSIPITCCFNVRNKIPIDRLSEYTRITNIOCPKEAVIFKTORGKVCADPKERVRDSM 60
Db 6 VSIPITCCFNVRNKIPIDRLSEYTRITNIOCPKEAVIFKTORGKVCADPKERVRDSM 65

Qy 61 KHLDOIFONLKP 72
Db 66 KHLDOIFONLKP 77

RESULT 11
US-08-613-822-20
Sequence 20, Application US/08613822
Patent No. 6174995
GENERAL INFORMATION:
APPLICANT: Li, Haodong
TITLE OF INVENTION: Human Chemokine Polypeptides
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSER: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/613,822
FILING DATE: 23-FEB-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mittlestein, Larry S
REGISTRATION NUMBER: 34,679
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8512
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-613-822-20

Query Match 68.1%; Score 263; DB 4; Length 74;
Best Local Similarity 64.8%; Pred. No. 5.6e-28;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

Qy 2 SIPITCCFNVRNKIPIDRLSEYTRITNIOCPKEAVIFKTORGKVCADPKERVRDSM 61
Db 4 SVPTTCCFNVRNKIPIDRLSEYTRITNIOCPKEAVIFKTORGKVCADPKERVRDSM 63

Qy 62 HLDQIFONLKP 72
Db 64 YLDQKSPTPKP 74

RESULT 12
US-09-479-729B-20
Sequence 20, Application US/09479729B
Patent No. 6391589
GENERAL INFORMATION:
APPLICANT: Olsen, et al
TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
FILE REFERENCE: P5504
CURRENT APPLICATION NUMBER: US/09/479,729B
CURRENT FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: PCT/US94/09484
PRIOR FILING DATE: 1994-08-23
PRIOR APPLICATION NUMBER: 08/458,355
PRIOR FILING DATE: 1995-06-02
PRIOR APPLICATION NUMBER: 08/462,967

PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: 60/115,439
PRIOR FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.0
SEQ ID NO 20
LENGTH: 74
TYPE: PRT
ORGANISM: Homo sapiens
US-09-479-729B-20

Query Match 68.1%; Score 263; DB 4; Length 74;
Best Local Similarity 64.8%; Pred. No. 5.6e-28;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

QY 2 SIPTCCFNVINRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 61
DB 4 SVPTCCFNLANRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 63

QY 62 HLDQIFQNLKP 72
DB 64 YLDQKSPTPKP 74

RESULT 13
US-09-366-887A-25
Sequence 25, Application US/09366887A
Patent No. 6403782

GENERAL INFORMATION:
APPLICANT: LUSTER, ANDREW D.
APPLICANT: LEDER, PHILIP
APPLICANT: ROTHENBERG, MARC
APPLICANT: GARCIA, EDUARDO
TITLE OF INVENTION: EOTAXIN: AN EOSINOPHIL CHEMOTACTRANT
FILE REFERENCE: 00383/025002
CURRENT APPLICATION NUMBER: US/09/366,887A
CURRENT FILING DATE: 1999-08-04
PRIOR APPLICATION NUMBER: 60/000,449
PRIOR FILING DATE: 1995-06-22
PRIOR APPLICATION NUMBER: 08/522,713
PRIOR FILING DATE: 1995-09-01
PRIOR APPLICATION NUMBER: 08/522,713
PRIOR FILING DATE: 1998-06-16
NUMBER OF SEQ ID NOS: 27
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 25
LENGTH: 74
TYPE: PRT
ORGANISM: Homo sapiens
US-09-366-887A-25

Query Match 68.1%; Score 263; DB 4; Length 74;
Best Local Similarity 64.8%; Pred. No. 5.6e-28;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

QY 2 SIPTCCFNVINRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 61
DB 4 SVPTCCFNLANRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 63

QY 62 HLDQIFQNLKP 72
DB 64 YLDQKSPTPKP 74

RESULT 14
US-09-366-887A-27
Sequence 27, Application US/09366887A
Patent No. 6403782

GENERAL INFORMATION:
APPLICANT: LUSTER, ANDREW D.
APPLICANT: LEDER, PHILIP
APPLICANT: ROTHENBERG, MARC
APPLICANT: GARCIA, EDUARDO

TITLE OF INVENTION: EOTAXIN: AN EOSINOPHIL CHEMOTACTRANT
FILE REFERENCE: 00383/025002
CURRENT APPLICATION NUMBER: US/09/366,887A
CURRENT FILING DATE: 1999-08-04
PRIOR APPLICATION NUMBER: 60/000,449
PRIOR FILING DATE: 1995-06-22
PRIOR APPLICATION NUMBER: 08/522,713
PRIOR FILING DATE: 1995-09-01
PRIOR APPLICATION NUMBER: 08/522,713
PRIOR FILING DATE: 1998-06-16
NUMBER OF SEQ ID NOS: 27
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 27
LENGTH: 97
TYPE: PRT
ORGANISM: Homo sapiens
US-09-366-887A-27

Query Match 68.1%; Score 263; DB 4; Length 97;
Best Local Similarity 64.8%; Pred. No. 8e-28;
Matches 46; Conservative 14; Mismatches 11; Indels 0; Gaps 0;

QY 2 SIPTCCFNVINRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 61
DB 27 SVPTCCFNLANRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 86

QY 62 HLDQIFQNLKP 72
DB 87 YLDQKSPTPKP 97

RESULT 15
US-09-230-637-44
Sequence 44, Application US/09230637
Patent No. 6264958

GENERAL INFORMATION:
APPLICANT: Hayward, Gary
APPLICANT: Nicholas, John
APPLICANT: Hardwick, J. Marie
APPLICANT: Reitz, Marvin
TITLE OF INVENTION: No. 6264958el Genes of Kaposi's Sarcoma
FILE REFERENCE: 1107.78372
CURRENT APPLICATION NUMBER: US/09/230,637
CURRENT FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: 60/022,591
PRIOR FILING DATE: 1996-07-25
PRIOR APPLICATION NUMBER: PCT US 97/12931
PRIOR FILING DATE: 1997-07-24
NUMBER OF SEQ ID NOS: 62
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 44
LENGTH: 96
TYPE: PRT
ORGANISM: Homo sapiens
US-09-230-637-44

Query Match 65.2%; Score 251.5; DB 4; Length 96;
Best Local Similarity 64.8%; Pred. No. 2.7e-26;
Matches 46; Conservative 13; Mismatches 11; Indels 1; Gaps 1;

QY 2 SIPTCCFNVINRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 61
DB 27 SVPTCCFNLANRKIPIORLESYTRITNIOCPKEAVIFKTORGKVCADPKERWVDSMK 85

QY 62 HLDQIFQNLKP 72
DB 86 YLDQKSPTPKP 96

Search completed: February 4, 2003, 10:20:38
Job time: 16 secs